

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,407,811 B2  
APPLICATION NO. : 10/688343  
DATED : August 5, 2008  
INVENTOR(S) : Burke et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13, Equation 2, please replace the entire equation with:

$$\begin{aligned} \text{--PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_{11} dT + \tau_{22} dT^2) \\ & + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_{33} dT + \tau_{44} dT^2) \text{--} \end{aligned}$$

Column 14, Equation 4, please replace the entire equation with:

$$\begin{aligned} \text{--PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_{11} dT + \tau_{22} dT^2) \\ & + (a_1 P_{\text{eff}})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_{33} dT + \tau_{44} dT^2) \text{--} \end{aligned}$$

Column 18, Equation 8, please replace the entire equation with:

$$\begin{aligned} \text{--PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_{11} dT + \tau_{22} dT^2) \\ & + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_{33} dT + \tau_{44} dT^2) \text{--} \end{aligned}$$

Column 22, Equation 13, please replace the entire equation with:

$$\begin{aligned} \text{--PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_{11} T_{\text{est}} + \tau_{22} T_{\text{est}}^2) \\ & + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_{33} T_{\text{est}} + \tau_{44} T_{\text{est}}^2) \text{--} \end{aligned}$$

Column 39, Claim 114 should be replaced in its entirety with:

--The method of claim 104, wherein said determining a third value comprises

determining the glucose concentration using

$$\begin{aligned} \text{PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_{11} dT + \tau_{22} dT^2) \\ & + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_{33} dT + \tau_{44} dT^2) \end{aligned}$$

Where: PRED is the glucose concentration,

DC is the second admittance response,

$a_0$ ,  $a_1$ ,  $\text{hct}$ ,  $\text{hct}_2$ ,  $\text{hct}_3$ ,  $\text{hct}_4$ ,  $\tau_{11}$ ,  $\tau_{22}$ ,  $\tau_{33}$  and  $\tau_{44}$  are constants,

$H_{\text{est}}$  is the hematocrit value, and

$dT$  is the temperature value.--

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 40, Claim 125 should be replaced in its entirety with:

--The method of claim 115, wherein step (g) comprises determining the glucose concentration using

$$\text{PRED} = (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_{\text{au}_1} dT + \tau_{\text{au}_2} dT^2) \\ + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_{\text{au}_3} dT + \tau_{\text{au}_4} dT^2)$$

Where: PRED is the glucose concentration,

DC is the second admittance response,

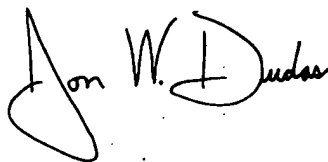
$a_0$ ,  $a_1$ ,  $\text{hct}_1$ ,  $\text{hct}_2$ ,  $\text{hct}_3$ ,  $\text{hct}_4$ ,  $\tau_{\text{au}_1}$ ,  $\tau_{\text{au}_2}$ ,  $\tau_{\text{au}_3}$  and  $\tau_{\text{au}_4}$  are constants,

$H_{\text{est}}$  is the hematocrit value, and

$dT$  is the temperature value.--

Signed and Sealed this

Fourth Day of November, 2008



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*